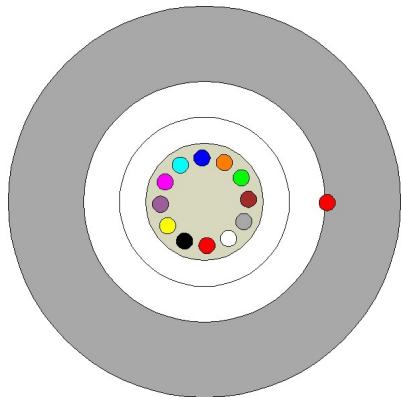


1-24F Un-Armored, Uni-tube Cable, PE Sheath

Cable Design

IEC/EN 60794-3-10



- **Unitube:** thermoplastic material, containing 24 fibres and filled with a suitable water tightness compound.
- **Peripheral Strength Elements:** glass yarns.
- **Outer Sheath:** PE. 1 ripcord beneath.
- **Suitable for Duct and Indoor Installations**

- not to scale -

Technical data

| No. of Fibres | 24 | | |
|--------------------------|---------|---------------------------------|---|
| Design | 1x24 | | |
| Loose Tube / Filler - Ø | mm | 2.8 nominal | |
| Sheath thickness | mm | 1.5 nominal | |
| Cable Diameter | mm | 7.0 nominal | |
| Cable Weight | kg / km | 44 | |
| Max installation tension | N | 1000 | |
| Min. bending radius | mm | Without Tension 10 x Cable-Ø | Under Maximum Tension 20 x Cable-Ø |
| Temperature range | °C | Installation -10 -> +60; | Transport. & Storage -40 -> +70 ; Operation -30 -> +70 |

Please refer to our General Installation, Safety & Handling recommendations before handling.

Main characteristics

| Test | Standard | Value | Sanction* |
|--|------------------|--------------|--|
| Maximum Tension at installation (short term) | IEC 60794-1-2-E1 | 1000N | $\Delta I/I$ fibre $\leq 0.6\%$, $\Delta \alpha$ reversible |
| Crush (short/long term) | IEC 60794-1-2-E3 | 1500N 100mm | $\Delta \alpha \leq 0.3$ dB , cable integrity |
| Temperature range | IEC 60794-1-2-F1 | -30 -> +70°C | $\Delta \alpha \leq 0.3$ dB /km |

* values for single-mode fibres, all optical measurements performed at 1550 nm

* values for multi-mode fibres, all optical measurements performed at 1300 nm

Loose Tube

CLT Un-Armored Cable

Optical Characteristics

See the attached cabled optical fibre data sheet.

Identification

Fibre Colours

| Fibre No. | 1 | 2 | 3 | 4 | 5 | 6 |
|--------------|------|--------|-------|-------|------|-------|
| Fibre Colour | blue | orange | green | brown | grey | white |

Loose tube colour is natural.

Sheath Colour:

The outer sheath colour is black.

Sheath Marking:

The outer sheath is marked in 1 meter intervals as follows:

FIBRE OPTIC CABLE UNI TUBE UNARMOUR PE <FIBRE QTY x FIBRE TYPE> <xxxx>M

Logistics

Packing:

Wooden drums with protection.

Delivery Lengths:

Standard delivery length is 4 km with a tolerance of $\pm 5\%$.

Loose Tube

CLT Un-Armored Cable